hsapq

1. A pitcher for this team has one blue eye and one brown eye. Last year, it endured several blown saves in the playoffs by closer Jose Valverde. Its shortstop, Jhonny ("Johnny") Peralta, was suspended in 2013 for connections to Biogenesis. During the offseason, this team signed Torii Hunter. Last season, the third baseman for this team won the Triple Crown. For 15 points, name this team that won the American League pennant in 2012 and which Miguel Cabrera plays for.
ANSWER: Detroit **Tigers** [or **Detroit** Tigers]

052-13-104-18101

BONUS: What Cavalier poet wrote "To Lucasta, Going to the Wars" and "To Althea, from Prison"?
ANSWER: Richard **Lovelace**

014-13-104-1810-11

2. A candidate in this Presidential election was disaffected at being fired as Secretary of Commerce for his pro-Soviet views two years earlier and made the last major Progressive Party bid. This election also featured Strom Thurmond carrying four states as the Dixiecrat candidate, and an erroneous *Chicago Tribune* headline announcing the victory of Republican Thomas Dewey. For 15 points, identify this election in which Harry Truman won a full term.
ANSWER: United States Presidential election of 19**48**

019-13-104-18102

BONUS: This is a calculation question. An ordered data set consists of the numbers 3, 8, 15, 20, 21, 35. What is the interquartile range of the data?
ANSWER: **13**

190-13-104-1810-11

3. One of this author's characters is infuriated to lose a literary competition to the incompetent poet Carlos Daneri. In another story, this author imagined a building containing every permutation of twenty-two characters arranged into 3,200 characters per page, with 410 pages per book. Yu Tsun narrates a story by this author that philosophizes about a labyrinth where each path represents the potential outcomes from a decision. For 15 points, name this Argentinian author who wrote "The Library of Babel" and "The Garden of Forking Paths."
ANSWER: Jorge Luis **Borges**

190-13-104-18103

BONUS: What Pope was replaced by Pope Francis after stepping down in 2013?
ANSWER: **Benedict XVI** [or Joseph Aloisius **Ratzinger**; prompt on **Benedict**]

015-13-104-1810-11

4. In this work, Captain Andrew Speedy is locked up while his ship, the *Henrietta*, has its wooden superstructure burned for fuel in this novel. The Hindu widow Aouda is saved from suttee in this work, in which the main character is pursued by Detective Fix. The valet of the main character is Passepartout. For 15 points, Phileas Fogg's globe trotting adventures are the subject of what Jules Verne novel?
ANSWER: *Around the World in Eighty Days* [or *Le Tour du Monde en Quatre-Vingt Jours*]

030-13-104-18104

BONUS: This is a 20-second calculation question. Two trees in a park are 25 feet and 40 feet tall, respectively. When the smaller tree casts a shadow ten feet long, how long of a shadow does the taller tree cast?
ANSWER: **16** feet

5. Calculations involving this force can be improved by using the Bouguer (boo-JAY) or free-air corrections. An equipotential surface for this force is the geoid (JEE-oyd), the shape the oceans would take if they covered the Earth. A constant used in calculations with this force is equal to 6.67 times 10 to the minus 11. Because the Earth is an oblate spheroid, calculations involving this force deviate from Newton's law. For 15 points, name this attractive force that causes things to flow or fall towards the Earth's center.
ANSWER: **gravity**

BONUS: What Jonathan Swift pamphlet satirically proposes the consumption of Irish babies as a solution to the problem of famine?
ANSWER: "A **Modest Proposal**"

6. According to the equation of exchange, the product of this quantity and the velocity is equal to average price times average quantity purchased. M2 is the most common measurement of this quantity used in comparative economics. Irving Fisher showed that the rate of change of this quantity is roughly equal to the rate of change of prices. That's why the Federal Reserve would cut this value to fight inflation. For 15 points, name this quantity, the amount of currency in circulation.
ANSWER: **money supply** [or **M** until it is read; or **M2** until it is read; or **money stock**; prompt on **money**]

BONUS: This is a 20-second calculation question. Two angles in a triangle measure x + 20 and 3x - 5 degrees. What is the measure of the third angle?
ANSWER: **165-4x**

7. One person with this last name organized the founding of the Society of the Cincinnati. William Howard Taft's Secretary of State with this last name helped him to develop the "Dollar Diplomacy" policy. That Secretary of State was Philander. During the Revolutionary War, a former bookseller with this last name organized the hauling of cannons from Fort Ticonderoga to Boston. For 15 points, give the last name for the first Secretary of War Henry.
ANSWER: **Knox** [or specific answers, such as Henry **Knox** or Philander **Knox**]

BONUS: What Canadian province borders Washington, Idaho, and Montana?
ANSWER: **British Columbia**

8. This man built on the work of Willem Barents while working for the Muscovy Company, and he used logbooks of George Weymouth and John Smith to try to find the Northwest Passage on behalf of the Dutch East India Company. This commander of the *Half Moon* and *Discovery* was abandoned on a raft after a 1611 mutiny. For 15 points, identify this explorer who now lends his name to a river in New York and a bay in Canada.
ANSWER: Henry **Hudson**

BONUS: What literary character is served by the squire Sancho Panza and rides the horse Rocinante?
ANSWER: **Don Quixote** [or **Alonso** Quijano; or Alonso **Quijano**]

9. This woman included the refrain "Go, go, go, seek some other where, importune me no more," in her poem "When I Was Fair and Young." This woman was depicted as Gloriana, the title character of an allegorical epic poem by Edmund Spenser. This woman's expressed desire to see Sir John Falstaff fall in love was the apocryphal origin of *The Merry Wives of Windsor.* For 15 points, name this monarch during whose reign Shakespeare wrote most of his plays.
ANSWER: **Elizabeth I** [prompt on **Elizabeth**]

BONUS: In Norse mythology, what eight-legged horse is ridden by Odin?
ANSWER: **Sleipnir**

10. These things can be regulated by the binding of molecules to an allosteric site. According to the induced fit hypothesis, the active site of these things changes conformation once bound to a substrate. A common example of these things that is found in the liver greatly increases the speed at which hydrogen peroxide is decomposed to water and oxygen; that example is catalase. For 15 points, identify these proteins that lower the activation energy required for a reaction.
ANSWER: **enzyme**s [or **protein**s until it is read]

BONUS: What type of strong wind is defined as an 8 on the Saffir-Simpson scale, with wind speed up to 46 miles per hour?
ANSWER: **gale**

11. A leader of this country said that "the left has no taste, even when it comes to women." That leader formed the liberal-conservative party known as the People of Freedom. A politician from this country, Aldo Moro, was kidnapped and killed by the Red Brigades. A leader of this country held sexually explicit "bunga bunga" parties and founded the broadcasting company Mediaset. For 15 points, name this European country once led by AC Milan owner Silvio Berlusconi.
ANSWER: Republic of **Italy**

BONUS: What Romanian dictator was served by the police force known as the Securitate (SEH-coo-ree-TAH-tay) and was executed on Christmas Day 1989?
ANSWER: Nicolae **Ceausescu** (chow-CHESS-kyoo)

12. The title character of this novel becomes enraged after a chaplain tells him that his "heart is blind." In its first chapter, Thomas Perez sheds tears during a funeral at an old persons' home. The main character of this novel carries on an affair with Marie Cardona and in the course of assisting the pimp Raymond Sintes gets drawn into a fight on the beach, during which he murders an Arab. This novel begins with the sentence "Maman died today." For 15 points, name this existential novel about Meursault, written by Albert Camus.
ANSWER: *The **Stranger*** [or *The **Outsider***; or *L'**Etanger***]

BONUS: Millikan's oil drop experiment successfully measured the mass and charge of what particle?
ANSWER: **electron**

13. The narrator of this novel recalls with contentment telling the title character, "You're worth the whole damn bunch put together," explaining it was the only compliment he ever gave him. In this novel, a mechanic shoots a man in a swimming pool after his wife Myrtle is run over by a car. In this novel, Daisy Buchanan, the cousin of Nick Carraway, has an affair with the title millionaire. For 15 points, name this novel by F. Scott Fitzgerald.
ANSWER: The **Great Gatsby**

BONUS: In what 1954 Alfred Hitchcock film does a wheelchair bound Jimmy Stewart witness a murder through binoculars?
ANSWER: **Rear Window**

14. The deadliest of these events killed over a thousand people in Peshtigo, Wisconsin. Mayor Rosswell Mason declared martial law, putting Philip Sheridan in charge, after this happened in Mason's city. In 1893, a reporter admitted to making up the story about Mrs. O'Leary's cow being responsible for one of these events. For 15 points, name this type of event that destroyed much of Chicago in 1871.
ANSWER: **fire**s

BONUS: What German-American anthropologist taught Edward Sapir and Margaret Mead at Columbia University?
ANSWER: Franz **Boas**

15. Electrons in these materials are excited from the valence band to the conduction band, generating an electron-hole pair. Recombination in these materials results in the emission of a phonon or a photon. Intrinsic ones have equal concentrations of holes and electrons, and they are classified into "P" and "N" types after doping. Common types of these are made using germanium and silicon. For 15 points, identify these materials with conductivities between those of conductors and insulators, which are used by companies such as Intel in making computer chips.
ANSWER: **semiconductor**s

BONUS: What 1973 Supreme Court case decriminalized abortions and was limited by *Planned Parenthood v. Casey*?
ANSWER: *Roe* v. Wade

16. In one of these passages, a widow annoys an indifferent judge persistently enough that he eventually gives her justice. In another of these passages, a man envies his pigs the pods they eat after he squanders his inheritance. One of these passages praises a man who helps a robbery victim by the roadside. These passages include ones about the Prodigal Son and the Good Samaritan. For 15 points, name these short, often allegorical stories related to the disciples by Jesus.
ANSWER: **parable**s

BONUS: What actor directed and starred in both *The Town* and *Argo*?
ANSWER: Ben **Affleck**

17. This planet's moons of Galatea and Despina serve as shepherds for its rings. This planet's largest moon has a retrograde orbit and cantaloupe terrain. During Voyager 2's flyby of this planet, it featured a storm called the Great Dark Spot. Like a closer planet, this planet's color is due to the presence of methane in its atmosphere. This planet was predicted by Urbain Le Verrier by perturbations in the orbit of Uranus. For 15 points, identify this blue gas giant, the farthest from the Sun.
ANSWER: **Neptune**

BONUS: This is a calculation question. Between which two values of y is the graph of "y equals four times cosine of x, minus 5" bounded?
ANSWER: **-9 and -1** [or **-1 and -9**]

18. This quantity's relation to enthalpy and temperature can be seen in the van't Hoff equation. This value has no units since all quantities used to calculate it are divided by a standard pressure or concentration. The law of mass action can be used to find this constant for a chemical reaction, which is compared with a related value, Q, to determine which direction a reaction will shift. For 15 points, name this value equal to the concentrations of the products over the reactants in a chemical reaction, symbolized capital K.
ANSWER: **equilibrium constant** [accept capital **K** until the end of the question]

BONUS: The Hindu god Brahma was born from what flower, with which he is often depicted?
ANSWER: **lotus** flower

19. This language uses the term "alah" to refer to a friend of the opposite sex from the speaker and "akis" to refer to a friend of the same sex. At the urging of Philip Johnston, this language was spoken at Camp Pendleton, reducing encoding time from thirty minutes to thirty seconds due to its extremely complex nature and rare usage by outsiders. For 15 points, name this indigenous language of the American Southwest which was used by the "wind talkers" during World War II.
ANSWER: **Navajo**

BONUS: What city was the site of a fatal July 6, 2013, plane crash involving Asiana Airlines Flight 214?
ANSWER: **San Francisco**

20. Members of this movement were drowned out by shouts of "Obama" after they mike-checked him at a New Hampshire speech. Roseanne Barr delivered a speech to members of this movement on its first day. Anthony Bologna was maced while participating in this movement that was started by Adbusters. Members of this movement were kicked out of Zuccoti Park for sanitary purposes. For 10 points name this protest movement that is centered in New York City and claims the phrase "We are the 99 percent."
ANSWER: **Occupy Wall Street** [or **OWS**]

BONUS: What Italian painted *The Last Judgment* and the ceiling of the Sistine Chapel?
ANSWER: **Michelangelo** di Lodovico Buonarroti Simoni

21. This quantity can be calculated as one over the square root of the permittivity times the permeability. When a charged particle exceeds this quantity in a medium, Cherenkov radiation is produced. The refractive index is equal to this quantity divided by the velocity in a particular medium. For an electromagnetic wave, it is equal to the product of frequency and wavelength, and Einstein famously equated energy with mass times the square of this quantity. For 15 points, identify this quantity equal to approximately three times ten to the eighth meters per second.
ANSWER: **speed of light** [or **c**]

BONUS: This is a 20-second calculation question. If "f of x = 3x + 2", then what is "f-inverse of -4"?
ANSWER: **-2**

22. These structures contain a quiescent center behind which are the zones of cell division, elongation, and maturation. Cell walls in the endodermis of these structures contain Casparian strips. In legumes, nodules in these structures host nitrogen-fixing rhizobia, and mycorrhiza are found in these structures. For 15 points, name these structures which absorb water and nutrients from the soil and anchor plants to the ground.
ANSWER: **root**s [accept **root tip**s]

BONUS: In what German board game do players try to get ten Victory Points by acquiring sheep, wheat, wood, brick, and ore?
ANSWER: *The **Settlers of Catan***

23. A text named for this concept attempts to link the converse of the word "bad" with "good." This concept's inquirers sometimes approach it with a distinction between consequentialism and a deontological version, the latter of which is supported by Kant's sense of duty. This discipline is referenced in the title of a work that introduces the naturalistic fallacym written by G.E. Moore. For 15 points, name this concept that titles Baruch Spinoza's magnum opus and is the study of virtuous behavior.
ANSWER: **ethics** [or **ethica**]

BONUS: What mathematician's namesake sums can be used to estimate integrals? His namesake hypothesis is a Millenium Prize Problem about roots of the zeta function.
ANSWER: Bernhard **Riemann**

24. This author wrote a controversial 1900 novel about an immoral woman who becomes a Broadway star after having love affairs with Charles Drouet and George Hurstwood. A camera used to strike Roberta Alden on a rowboat is a crucial piece of evidence against a character created by this author. His most famous novel describes the downfall of Clyde Griffiths. For 15 points, name this naturalist author of *Sister Carrie* and *An American Tragedy.*
ANSWER: Theodore **Dreiser**

BONUS: What French architect built the Villa Savoye and laid out the Five Points of Architecture in a famous treatise?
ANSWER: Le **Corbusier**

25. This property defines the threshold where pahoehoe lava changes to a'a lava. Substances that include long-chain alkane molecules have high values for this property because of hydrogen bonds. This property always decreases as temperature as temperature increases and is measured in Poise. Stokes's law describes this property in laminar flow and Reynolds's number is a dimensionless parameter of the ratio of this property. For 15 points, name this internal resistance to flow in fluids.
ANSWER: **viscosity**

124-13-104-18125

00--20-1810-11

26. The speaker of one of this author's poems recalls how "the Windows failed-and then I could not see to see" after describing how "the Stillness in the Room was like the Stillness in the Air-between the Heaves of Storm." Another of her poems describes a carriage that "held but just Ourselves-and Immortality" after someone "kindly stopped for me." For 15 points, name this reclusive American poet of "I heard a fly buzz-when I died-" and "Because I could not stop for Death."
ANSWER: Emily **Dickinson**

014-13-104-18126

00--20-1810-11

27. During this conflict, the Ferdinand II defeated the "Winter King" Frederick V at the Battle of White Mountain. Some of this war's conflicts were resolved by the Treaty of Lubeck. The Catholic League was defeated at the Battle of Breitenfeld in this war by Gustavus Adolphus, whose forces defeated Wallenstein. The Bohemian Revolt occurred at the beginning of this war. For 15 points, name this war ended by the peace of Westphalia that lasted from 1618 to 1648.
ANSWER: **Thirty Years'** War

105-13-104-18127

00--20-1810-11

28. In one of this author's novels, the protagonist stumbles upon a conspiracy centered on the postal service Tristero after being named the executor of Pierce Inverarity's estate. Another of his novels follows a soldier whose sexual experiences are correlated with the explosions of V-2 rockets. This author created Oedipa Maas and Tyrone Slothrop. For 15 points, name this postmodern American novelist of *The Crying of Lot 49* and *Gravity's Rainbow*.
ANSWER: Thomas **Pynchon**

014-13-104-18128